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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Benjamin Sonnenreich et al. : Art Unit: 1725
 Serial No.: 09/772,421 : Examiner: Len Tran
 Filed: January 30, 2001 :
 For: BONDING TOOL WITH :
 POLYMER COATING :

AMENDMENT

RECEIVED
DEC 31 2002
TC 1700

Assistant Commissioner for Patents
Washington, D.C. 20231

SIR:

Responsive to the Office Action dated September 23, 2002, please amend the above-identified application as follows:

CLAIMS:

Please replace claims 7 and 8 with the following amended claims:

1 7. A capillary bonding tool according to claim 1, wherein the coating
 2 is at least one of i) a polymer, ii) an Alumina, iii) Si₃N₄ iv) silica v) a combination of
 3 12% silica and 88% Alumina, and vi) a Diamond like carbon (DLC).

1 8. A bonding tool for bonding a wire to a substrate, the bonding tool
 2 having a body and a working tip coupled to one end of the body, and comprising:

3 an orifice extending along a longitudinal axis of the body and the working
 4 tip; and

5 a coating disposed over at least a portion of a surface of the orifice,
 6 wherein the coating is a polymer disposed along an interior surface of the
 7 orifice and one of i) an Alumina, ii) Si₃N₄, iii) silica, iv) a combination of 12% silica

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- 8 and 88% Alumina, and v) a Diamond like carbon (DLC) disposed along an exterior portion of the orifice.